



(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

CORRECTED VERSION

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 22 June 2000 (22.06.2000)

(10) International Publication Number WO 00/35469 A3

- A61K 38/24, (51) International Patent Classification7: A61P 35/00 // (A61K 38/24, 31:138) (A61K 38/24, 38:21)
- (21) International Application Number: PCT/US99/29795
- (22) International Filing Date:

15 December 1999 (15.12.1999)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

- 98123817.3 15 December 1998 (15.12.1998)
- (71) Applicants (for all designated States except US): FOX CHASE CANCER CENTER [US/US]; 7701 Burholme Avenue, Philadelphia, PA 19111 (US). APPLIED RE-SEARCH SYSTEMS ARS HOLDINGS N.V. [NL/NL]; Pietermaai 15, Curaçao (AN).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): RUSSO, Irma, H. IUS/US1: 1211 School Lane, Rydal, PA 19046 (US). RUSSO, Jose [US/US]; 1211 School Lane, Rydal, PA 19046 (US). DELUCA, Giampiero [CH/CH]; Chemin de la Florence 15, CH-1208 Geneva (CH). JANSSENS, Jaak, Ph. [BE/BE]; Klein Hilst 5, B-3500 Hasselt (BE).
- (74) Agents: REED, Janet, E. et al.; Saul, Ewing, Remick & Saul, Centre Square West, 1500 Market Street, 38th floor, Philadelphia, PA 19102-2186 (US).

- (81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

- With international search report.
- (88) Date of publication of the international search report: 14 September 2000
- (48) Date of publication of this corrected version:

22 March 2001

(15) Information about Correction: see PCT Gazette No. 12/2001 of 22 March 2001, Section

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: hCG THERAPY FOR THE TREATMENT OF BREAST CANCER

(57) Abstract: This invention relates to the field of cancer therapy. More particularly, the invention relates to the treatment of mammary tumor, clinically manifest mammary tumor (breast cancer) and metastatic mammary tumor by administration of human Chorionic Gonadotropin (hCG). The treatment preferably comprises the administration of hCG in conjunction with an antiestrogen and/or a Type I Interferon.